

1/9

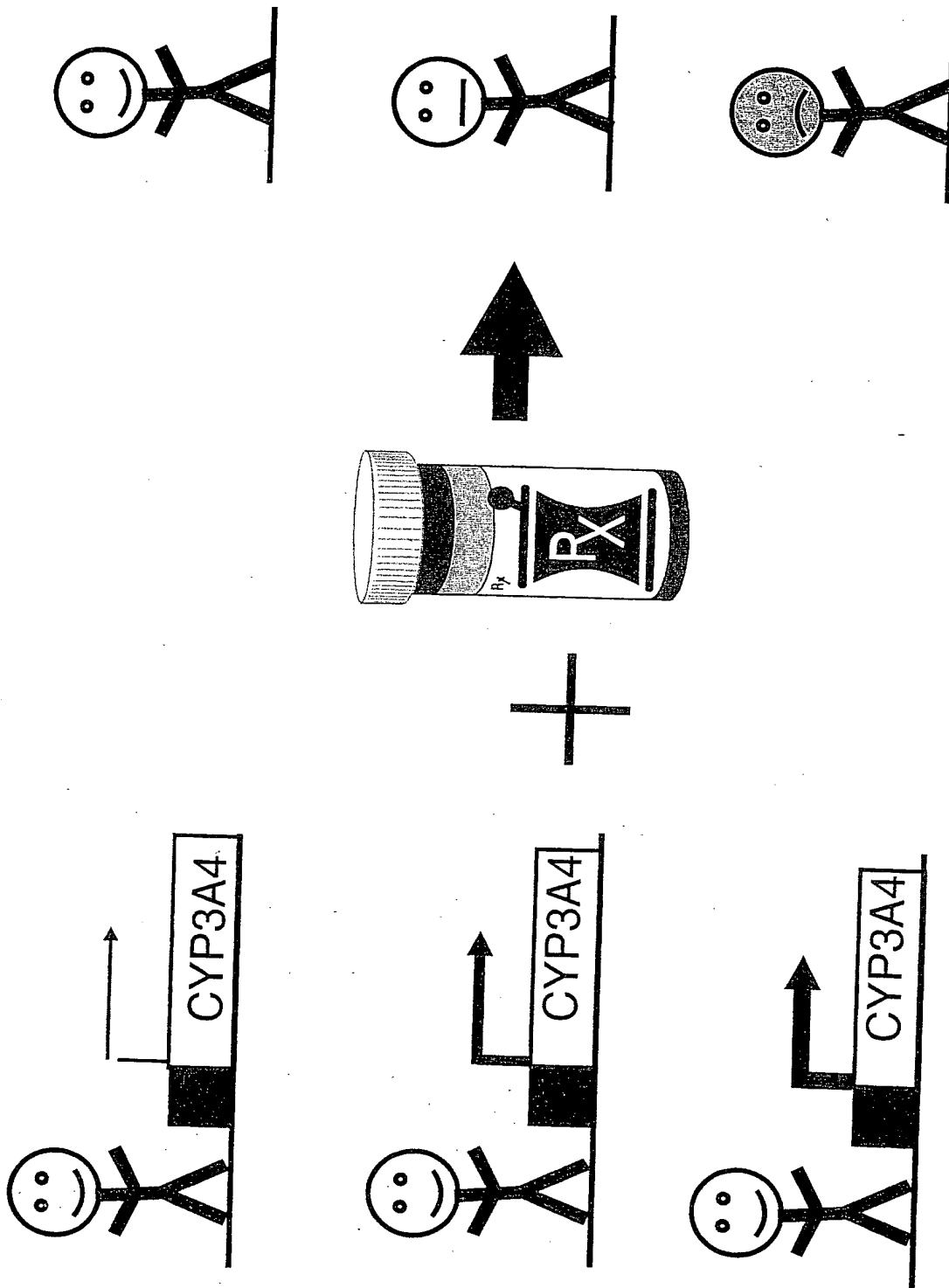
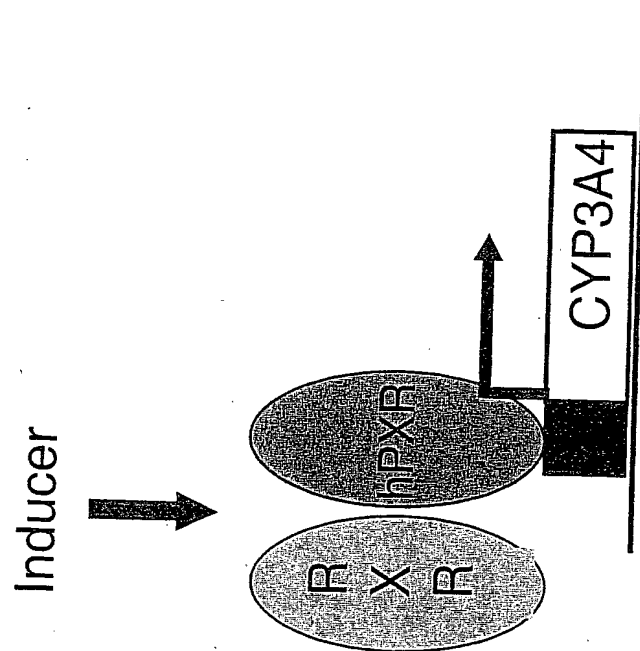
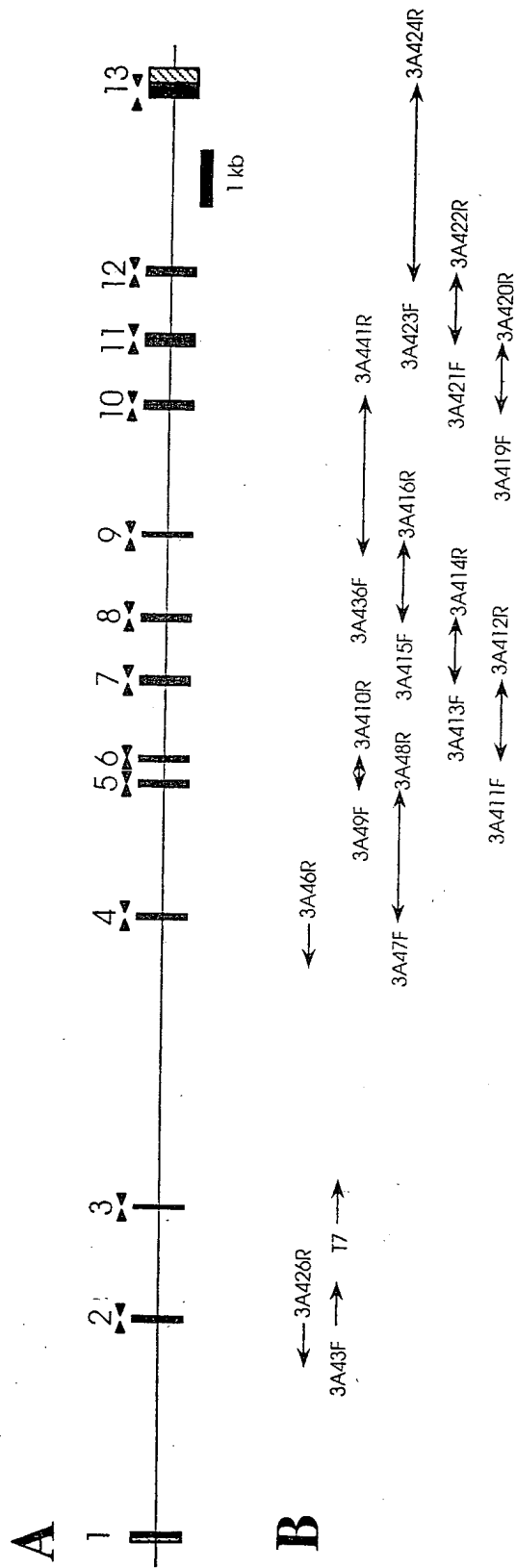


Fig. 1

2/9

**Fig. 2**

3/9

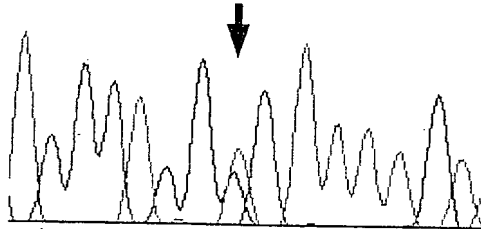
**Fig. 3**

4/9

CYP3A4 polymorphisms

Exon 3 (G6004A; Gly56Asp)

T C C C A G G N C T T T T G T

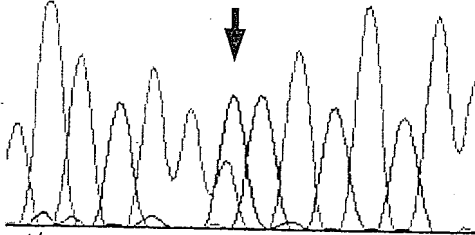


wt/mut

Oligonucleotide 3A450F (forwards)

Intron 7 (T→G)

T A T C T T G C T C T C T T

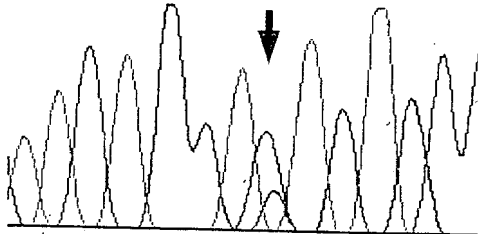


wt/mut

Oligonucleotide 3A433F (forwards)

A CYP3A7 exon 11 polymorphism (C1229G; Thr409Arg)

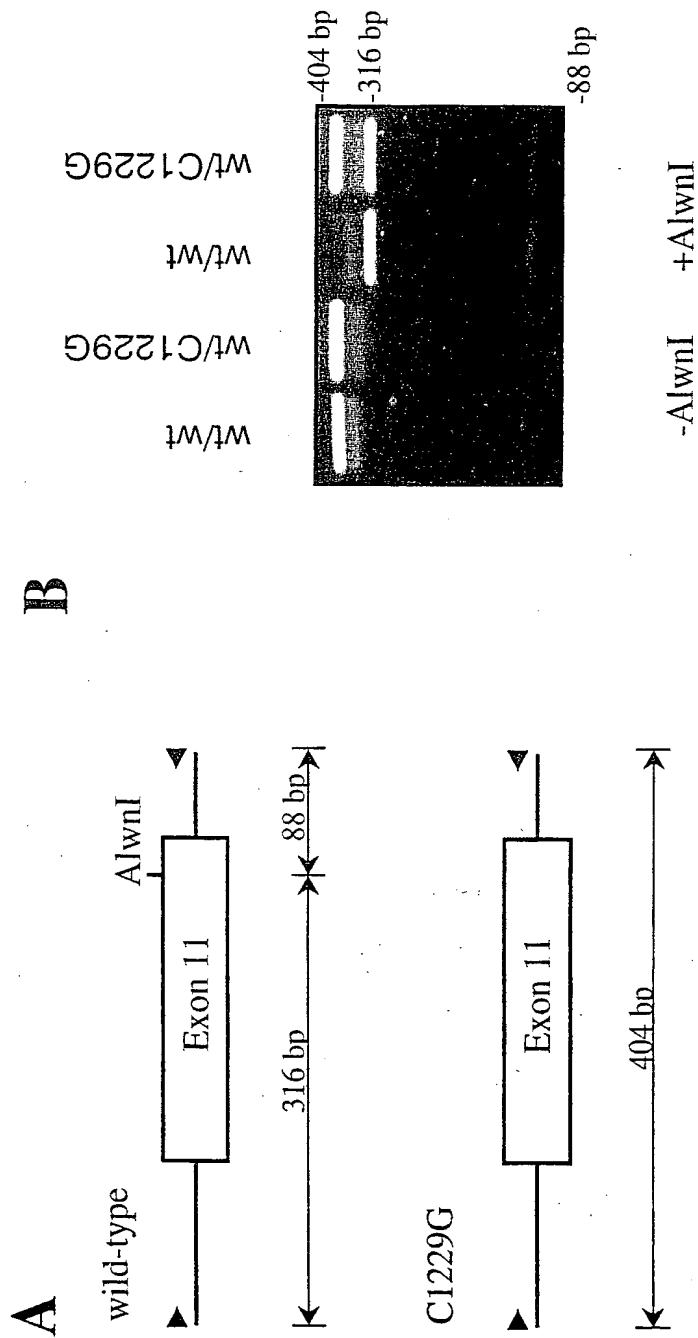
T A C T G G A C A G A G C (



wt/mut

Oligonucleotide 3A742F (forwards)

Fig. 4

**Fig. 5**

6/9

CYP3A4**Exon 3 (g.6004G>A, G56D)**

CCTCTAACTGCCAGCAAGTCTGATTTCATTGGCTTCGACTGTTTTCAT→CCCCAATTAGAGGCAG
GGTTAAGTACATTAAAAATAATAATCAAATATTATTTGTTTCTCCTCCCAGGG→ACTTTTGTATGT
TTGACATGGAATGTCATAAAAAGTATGGAAAAGTGTGGGGGTGAGTATTCTGGAAACTTCCATT
GGATAGACTTGTTTCTATGATGAGTTTACCCCACTGCACAGAGGACAGTCTCAGCCC

Exon 4 (Primer 3A4-52F and 3A4-37R)

AGTCTGGCTTCCTGGGTTGGGCTCCAGCTGTAGAATAAGGCTGTTGATGTTTAA
TCAACTCTGTTTTTTTACACAGCTTTTATGATGGTCAACAGCCTGTGCTGGCTA
TCACAGATCCTGACATGATCAAAACAGTGCTAGTGAAAGAATGTTATTCTGTCT
TCACAAACCGGAGGGTAAGCATTTCATGTGTTGAAATTAAAATACTGATTGATTAA
ATTTATATTTTGAATTCTTATATATTCATAGACAGTTGCCTAAAAAATGTCCAGG
AAGGTTCCACGTCCACTTC

Exon 5

CTACAACCATGGAGACCTCCACAACCTGATGTAGGACAAAATGTTTCTGCTTTGAA
CTCTAGCCTTTTGGTCCAGTGGGATTTATGAAAAGTGCCATCTCTATAGCTGAG
GATGAAGAATGGAAGAGATTACGATCATTGCTGTCTCCAACCTTCACCAGTGG
AAACTCAAGGAGGTATGAAAATAACATGAGTTTAAATAAGAACTTAAAGAATG
AATCTGGTGGGGACAGGTA

Exon 7 (g.15753T>G)

GTCTGTCTTGACTGGACATGTGGCTTTCCTGATGCACGCATAGAGGAAGGATGG
TAAAAAGGTGCTGATTTTAAATTTCCACATCTTCTCCACTCAGCGTCTTTGGGG
CCTACAGCATGGATGTGATCACTAGCACATCATTTGGAGTGAACATCGACTCT
CTCAACAATCCACAAGACCCCTTTGTGGAAAACACCAAGAAGCTTTTAAAGATT
TGATTTTTTGGATCCATTCTTCTCTCAATAAGTATGTGGACTACTATTTCTTTT
ATTTATCTTT→GCTCTCTTAAAAATAACTGCTTTATTGAGATATAAATCACCATGT
AATTCATCCACTTAAATATACAGTTCAGTGATTGTAGTACATTTGAAGATATGT
GTGACCATCATC

Exon 9

GGAGATCAAGGACCACGCTTGTGATTTACTTCTGACTTCAGGAGCCACTTTCTG
TCAGTGAAATTTCTCTTTTGGCTTCTAGCACCGAGTGGATTTCTTCAGCTGATG
ATTGACTCTCAGAATTCAAAAGAACTGAGTCCCACAAAGGTAACCAGAGTGT
TTCTGAGGGCTACTTGTGGGGCACTCAGAGGGAAGGCCTTGTTCTGAAAATGTG
CAGGAAGTATTCCAGGATGATGAG

CYP3A7**Exon 11 (C1229G Thr409Arg polymorphism)**

CCAGTATGAGTTGTTCTCTGGAACCTTCTAACAGTTCAACAGTACTACATGGACTG
AGTTAAAAGTTAATTCAAAAATCTCAATTTATCCAAATCTGTTTCTTTCTTTTCAGG
CACCACCCACCTATGATACTGTGCTACAGTTGGAGTATCTTGACATGGTGGTG
AATGAAACACTCAGATTATTCCCAGTTGCTATGAGACTTGAGAGGGTCTGCAA
AAAAGATGTTGAAATCAATGGGATGTTTATTCCCAAAGGGGTGGTGGTGATGA
TTCCAAGCTATGTTCTTCATCATGACCCAAAGTACTGGAC→GAGAGCCTGAGA
AGTTCCTCCCTGAAAGGTAGGAGGGCCCTGGGAAGGGAGCCCTCCCTGAACC
AGCCTGGTTCAAGCATATTCTGCCT

Fig. 6

CYP3A4

7/9

Exon 4 (Primers 3A4-52F and 3A4-100R)

AGTCTGGCTTCCTGGGTTGGGCTCCAGCTGTAGAATAAGGCTGTTGATGTTTAA
TCAACTCTGTTTTTTTACACACAGCTTTTATGATGGTCAACAGCCTGTGCTGGCTA
TCACAGATCCTGACATGATCAAAACAGTGCTAGTGAAAGAATGTTATTCTGTCT
TCACAAACCGGAGGGTAAGCATTTCATGTGTTGAAATTAATACTGATTGATTAA
ATTTATATTTTGAATTCCTTATATATTCATAGACAGTTGCCTAAAAAATGTCCAGG
AAGGTTCCACGTCCTCACTTCATCCTGTCCCC

Exon 5 (g.13908G>A, R130Q)

CTACAACCATGGAGACCTCCACAACCTGATGTAGGACAAAATGTTTCTGCTTTGAA
CTCTAGCCTTTTGGTCCAGTGGGATTTATGAAAAGTGCCATCTCTATAGCTGAG
GATGAAGAATGGAAGAGATTACG→AATCATTGCTGTCTCCAACCTTCACCAGT
GGAAAACCTCAAGGAGGTATGAAAATAACATGAGTTTAAATAAGAACTTAAAGA
ATGAATCTGGTGGGGACAGGTA

Exon 6 (g.14292G>A, V170I; g.14304G>C, D174H; g.14323C>T; g.14329G>T; g.14357T>G)

CCCTTTCCAAGGGGTAGTCCACTGAATTTGAGCTGCCTAAAAATGGTCTTTTATC
TTTATGTACAGAAAACACATCACAAAATTCATTATAAAATGTCACTTACTGCTCCA
TGCTGGGGAAAGCCATGTCCTTCTGGGACTAGAGTCTGCACATTTAACTATGGG
TGGTGTGTGTTTTGTGCTTAGATGGTCCCTATCATTGCCCAGTATGGAGATGT
GTTGGTGAGAAATCTGAGGCGGGGAAGCAGAGACAGGCAAGCCTG→ATCACC
TTGAAAG→CAGTAAGTAGAAGCGCAGCC→TATGGGG→TTTCTGAGCTGTCAT
GAACCCCTCCAGCT→GGCCTGCCATGGAGCTGATATTCTCTGCTGTTGGGTTAT
TCCAGTGACCAGAC

Exon10 (g.20230G>A)

CCCAGTGTACCTCTGAATTGCTTTTTCTATTCTTTTCCCTTAGGGATTGAGGGCT
TCACTTAGATTTCTCTTCATCTAAACTGTGATGCCCTACATTGATCTGATTTACCT
AAAATGTCTTTCTCTCCTTTTCAGCTCTGTCCGATCTGGAGCTCGTGGCCCAAT
CAATTATCTTTATTTTGTGCTGGCTATGAAACCACGAGCAGTGTCTCTCCTTCAT
TATGTATGAACTGGCCACTCACCTGATGTCCAGCAGAACTGCAGGAGGAA
ATTGATGCAGTTTTACCCAATAAGGTGAGTGGATGG→ATACATGGAGAAGGAG
GGAGGAGGTGAAACCTTAGCAAAAATGCCTCCTCACCCTTCCCAGGAGAATTT
TTATAAAAAGCATAATCACTGATTCTTTCACTGACTCTATGTAGGAAGGCTCTG

Exon 11 (g.21867C>T, T363M; g.21868G>A; g.21896C>T, L373F; g.22026C>T, P416L; g.22041C>T;)

CAGTATGAGTTAGTCTCTGGAGCTCCTAATACTTCATTAGTACTGCATGGACTGA
GTTAAAAGTTAATTCAAAATCTCAATTTATCCAAATCTGTTTCGTTCTTTCCAGGC
ACCACCCACCTATGATACTGTGCTACAGATGGAGTATCTTGACATGGTGGTGA
ATGAAAC→TG→ACTCAGATTATTTCCCAATTGCTATGAGAC→TTTGAGAGGGT
CTGCAAAAAAGATGTTGAGATCAATGGGATGTTTCATTCCCAAAGGGGTGGTGG
TGATGATTCCAAGCTATGCTCTTCACCGTGACCCAAAGTACTGGACAGAGCCT
GAGAAGTTCCTCCC→TTGAAAGGTACAAGGC→TCCCTGGGAAGGGAGCCCTC

Fig. 6 cont.

8/9

CCTGAACCAGCCTGGTTCAAGCATATTCTGCCTCTCTTAATCTACAGGACAGTCA
 TGTGGTTGTATAATTATTTGCTTGTATTTTATATTTAGAGATTTTTTAAATCATCA
 AATTGATTATTGTCACACTTTACAAACCATAGACTAGAAAAAAGAAAACTACAGTC
 ATCCACAATTCCAACAACCTTACGATGAAGGTCATCAGTTATG

Exon 12 (g.23081C>T)

CCTGTGTACTACTAGT7GAGGG*GTGGCCCCTAAGTAAGAAACCOCTAACATGTAA
 CTCTTAGGGGTATTATGTCATTAACTTTTTAAAAATCTACCAAC→TGTGGAACCA
GATTCAGCAAGAAGAACAAGGACAACATAGATCCTTACATATACACACCCTTT
GGAAGTGGACCCAGAAACTGCATTGGCATGAGGTTTGCTCTCATGAACATGAA
ACTTGCTCTAATCAGAGTCCTTCAGAACTTCTCCTTCAAACCTTGTAAGAAAC
ACAGGTTAGTCAATTTTCTATAAAAAATAATGTTGTATTAATAATTCTTTTAACTGA
GTGGTCTGTATTTTTTAAAAAGAATATGCTTGTTTAATCTTTTACTAATTTGTTCTC
TGGGCCAAAGAATCAATTAGGCCCATCTGTG

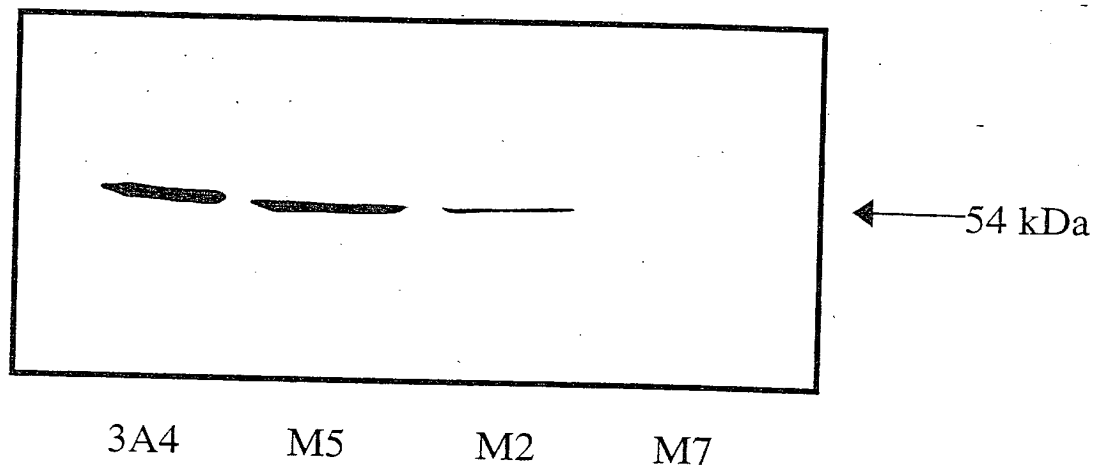
* this oligonucleotide used for genotyping differs from the genomic sequence at the positions shown in italics

Exon 13 (g.25925C>T; g.25958T>G)

GGAGTGTCTCACTCACTTTGATGCTATACTTTCTACTTTTGTTTATTTAATGCTTC
TCAATATGCTTGTTTAACTGTTGCAGATCCCCCTGAAATTAAGCTTAGGAGGAC
TTCTTCAACCAGAAAAACCCGTTGTTCTAAAGGTTGAGTCAAGGGATGGCAC
 →TGTAAGTGGAGCCTGAATTTTCTAAGGACTTCT→GGCTTTGCTCTTCAAGAA
 ATCTGTGCCTGAGAACACCAGAGACCTCAAATTACTTTGTGAATAGAACTCTGAA
 ATGGAAGATGGGCTTCATCCA

Fig. 6 cont.

9/9

**Fig. 7**